Item No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
36	MANUFACTURING:-PROVIDING AND FIXING A GAZEBO of Size 22 feet dia approximate) made of MS Round pipe of 6 inches diameter of 12 SWG for pillars 10feet in height,in which 8ft will be above the ground level and 2 feet embedded in cement concrete and provided with MS plate on top of the pillars.MS I section 100x50mm of heavy gauge for Rafters)is placed between the poles on top of the flush plate.Also MS rectangular tubes of 100x40mm are to be mounted vertically on all 8pillars.MS rectangular tubes of 40x20mm reepers are welded horizontally in between the rectangle tubes for a distance of 1 feet approximately so as to get the desired octangol Shape for fixing approved qualoity Corrugated Managlore tiles on the roof 2 layers as per the design. Flat design tiles and rigid tiles are to be provided on Existing reepers and pointed with cement mortar.The Gazebo is to be fixed ob asuitable platform the central height being 15 to 16 feet and including allround bed Concrete 1:4:8 and tampered with fine red earth with cement slurry.the works includes earthwork excavation concreteing,masonry work and cost of all materials labour equipments machinery with all lead and lift loading and unloading etc complete including two coats of approved quality special spray paint over of primer and excecuting the work as per the directions of the engineer in charge.								
	Data Rate	387925.00							
		Unit	2				2.00		
							2.00	**387925.00**	**775850.00**
B	**Borewell**								
37	Sinking Borewell of 165mm dia clear, using fast rig in all strata including over-burden upto 20mts. Fixing of casing Pipes, collars and cap with necessary cutting and threading including, transportation of Rig and supporting vehicle, crew charge and cost of consumbles, etc, complete including yield testing at the final depth with a minimum woring of compressor for one hour. (excluding cost of casing pipes, collars and cap, etc.)								
	a) 0.00 to50.00 Mtr	**Rmtr**	1	50.00			50.00	**306.00**	**15,300.00**
	b) 50.00 to 100.00 Mtr	**Rmtr**	1	50.00			50.00	**400.00**	**20,000.00**
	c) 100.00 to 150.00 Mtr	**Rmtr**	1	50.00			50.00	**445.00**	**22,250.00**
	d) 150.00 to 200.00 Mtr	**Rmtr**	1	50.00			50.00	**470.00**	**23,500.00**
	e) 200.00 to 250.00 Mtr	**Rmtr**	1	50.00			50.00	**544.00**	**27,200.00**
	f) 250.00 to 300.00 Mtr	**Rmtr**	1	50.00			50.00	**583.00**	**29,150.00**
	g) 300.00 to 350.00 Mtr	**Rmtr**	1	35.00			35.00	**622.00**	**21,770.00**
38	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. **Page No.ii, I.No.53 PRE Bang SR 2016-17**								
		Rmtr	1	7.00			**7.00**	**1325.00**	**9275.00**
	a) Above 20mtrs and upto 30mtrs.@15%	**Rmtr**	1	7.00			**7.00**	**45.90**	**321.30**
	b) Above 30mtrs@30%	**Rmtr**	1	14.00			**14.00**	**91.80**	**1285.20**
39	175mm M.S. B-Class Casing Collar (P.No.ii,I.No.55)								
		Nos	5				**5.00**	**150.00**	**750.00**
40	175mm dia Casing Cap (P.No.ii,I.No.54)								
		Nos	1				**1.00**	**100.00**	**100.00**

Item No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
41	Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps)**(SR 2016-17 page xxxxll sl no 23)**								
	H=150m dish 150 LPM	**Set**	1				**1**	**70600**	**70,600.00**
42	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239-1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia								
	50mm dia G.I Pipe with heavy duty	**Mtr**	1	250.00			**250.00**	**375.00**	**93750.00**
43	Submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm								
	280*2+10	**Mtr**	1	450.00			**450.00**	**81.00**	**36450.00**
44	50 mm dia GI Collar Heavy duty								
		Mtr	1	30.00			**30.00**	**130.00**	**3900.00**
45	Meter and Panel Board: Supply and Delivery of Meter and Panel Board: Meter Board unit one number of MS Box of size 300x120 mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for munting the CTS (if any) cutouts 3phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board: One number of cubicle type of control panel board to operate on 50c/400/400v Upto 10 to 20 HP								
		Nos	1				1.00	**11000.00**	**11000.00**
46	50mm dia G.I.N.R. Valve								
		Nos	1				1.00	**856.00**	**856.00**
47	Erection & Commissioning of work of pumpset including aligning and balancing with all necessary erection of materials and labour including supply and erection of two pair of supporting clamps, one borewell cap, cable clips and water tight gland cable protectors, bolts nuts valves and gauges etc, all job including fixing sluice valve, non return valve etc, and connecting delivery side of pumpset to rising main etc, complete.								
		Nos	1				1.00	**850.00**	**850.00**
48	Power Capacitor: Supply and Delivery of brand new best make capacitor conforming to IS:2834-1986 with latest amendments with ISI mark of required capacity tested and approved by KPTCL anthorities and erection, electrification and commissioning of the same at the location of the respective pumpsets. Supply & Delivery of best indigenous brand new MCB (Miniature Circutit Breaker) of required capacity as per IS:8828-1978 and its latest amendment with ISI mark 6/10/20/25/40 amps with sealble box with MCB 3 KVAR								
		Mtr	1				1.00	**460.00**	**460.00**
49	Supplyin mmdia 2mm 2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive pase etc., and running before cocreting the slab. The conduit should be tiled to the reinforcement rods by using binding wires and unused ways of junction boxes and plpe ends should be covered using PVC end enclosuers. Run with 18SWGGI fish wire wherever necessary (P-2,1-1)								
	b)25mm dia 2mm thick	**Nos**	1	10.00			**10.00**	**44.28**	**442.80**
50	Supplying of TPST with rewirable porcelain channels in SM enclosure. (P-30. 1-1)								
	b)32amps	**Nos**	1				**1.00**	**1468.80**	**1468.80**

Item No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
51	Supplying and fixing polished wood board made of not less than 15 mm thick plan on both sides with planks made out of more than two pieces and fixing the same to the wall using wooden plugs, screws etc.,(p-30 1-2)								
	20X20X2.5	Nos	2				2.00	307.80	615.60
52	Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multistrand 2x1.5 Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box. The other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet (P-3. 1-8)								
	(a) Short Point upto 3Mtr form tapping point to outet via switch	Rmtr	1	1.00			1.00	189.00	189.00
	© Long Point above 6 Mtr. Upto 10 Mtr. From tapping point to out let via switch	Rmtr	1	1.00			1.00	397.44	397.44
53	Supplying 6 A flush/projected type socket and a 6Amps flush/projected type SP switch either surface/flush mounting in a existing gang box or a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required (P-6., 1-12)								
	(b)6Amps3/5 Way	Nos	1				1.00	114.48	114.48
54	Wiring for lighting /power circuit using one of PVC insulated 1100V grade multis and Copper conductor single core cable in open or consealed system of wiring (P-9, 1-20)								
	Group "B"© 2.5Sq.mm	Rmtr	1	25.00			25.00	22.65	566.25
55	Supplying and fixing PBBC backelite straight or slant batten holder &wiring 60w/230 Volts lamps (P-13, 1-2)								
	Group B	Rmtr	1	3.00			3.00	60.48	181.44
56	Supplying and fixing of LED type panel borad indicating lamp with required colour suitable for 220 v A.C. 50 Hz 12/24v D.C (P-38, 1-35)								
		Nos	3				3.00	464.40	1,393.20
57	Supplying of LT UG cable having aluminium conductor PVC insulated. Sheathed. Galvanished. Steel wire/steel tape armoured cable with PVC outer sheathing 1.1KV class (conforming to IS 1554) Class-A (P-67, 1-10)								
	e)4.0 core 16Sqmm	Rmtr	1	12.00			12.00	162.00	1,944.00
58	Lobour charges for laying of 1.1KV class UG cable when supplied departmentally/ agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required (P-68, 1-11)								
	a)10Sqmm to 16Sqmm	Rmtr	1	12.00			12.00	8.64	103.68
59	Digging of trench of 0.6mtrs deepx0.5 mtrs wide refilling the required gorund level and consolidating etc., complete (P-68, 1-12)								
	a)in soil(ordinary)	Rmtr	1	8.00			8.00	43.20	345.60
60	Supplying and fixing of class 'A' GI pipe on pole /wall/drain crossing with necessary clamping arrangement for UG cable of 1.1KV class(P-69, 1-15)								
	a)65mm(upto 150Sqmm)	Rmtr	1	6.00			6.00	259.20	1,555.20
61	Supplying and fixing of heay duty cable glands suitable for UG cable of 1.1KV class metal only (P-69, 1-17)								
	a)25mm dia	Nos	1				1.00	71.28	71.28
62	Supplying and fixing miniature circuit breakers on existing MCB disitribution boards using necessary fixing materials and wiring complete as required (P-34, 1-13)								
	5-32 amps TPN	Nos	1				1.00	1085.40	1085.40
63	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete (P-30, 1-3) a) 32Amps								
		Nos	5				5.00	108.00	540.00

Item No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
64	Supplying and fixing L.T. cast Iorn pot heads suitable for 1.1. KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,(P-69, 1-16) a)								
		Nos	1				1.00	280.60	280.60
65	Supplying, fixing, wiring, earth electrode for gounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checkunts etc., the pipe shall have 16 through holes of 122mm dia (P-66, 1-7)								
		Nos	1				1.00	2106.60	2106.60
66	Supplying decorative horizontal type street light fluorescent fitting weather and water proof complete with low loss open construction copper wound ferromagnetic ballast,starter,locking type brass contact holders with 1 No. of 4 feet 40 watts fluorescent tube completely wired for use on 230/250 volts. 50cycles AC supply with opal reeded Perspex cover at bottom complete fitting (P-17, 1-6)								
		Nos	1				1.00	1544.40	1544.40
67	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluroscent tube street light fitting of all capacities of GI or CI or rail or RCC pole/ wall using suitable clamps. bolts. and nuts and wiring using suitable capacity wires complete(P-26, 1-1)								
		Nos	1				1.00	658.80	658.80
68	Providing and installing at site work P.V.C. Pipes including cost of pipes and specials and labour,including lowering into trenches,laying true to line,level and perfect linking at joints lead proof including jointing of approved type with all labour and lift charge, handling charges with all leads,including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation etc.,complete[P.No.15 - I.No.3.4.2.a& b PRED SR 2016-17]a) 63 mm dia PVC pipes 6kg/cm.square=104*6%=110.24								
	For pipe line	mtr	1	250.00			250.00	110.24	27560.00
69	**Bescom Deposit Charges**								10000.00
								Total Cost of Construction, Rs.	9900881.07
								PMC Charges, Rs.	99008.81
								Rounding Off, Rs.	110.12
								Total Project Cost, Rs.	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017.and Data Rates

Assistant Engineer,
Yelahanka Project Division

Asst. Exec. Engineer,
Yelahanka Project Division

Executive Engineer,
Yelahanka Project Division

Administrative Approval
Accorded For ..Rs. 100 2 lacks
Head of A/C....P-3213.....
CER NO :..180/17-18 Dt:..12/03/18

A.E. (Project) 12/3

Technical Sanction
Accorded For Rs 100 Lakhs only
Head of A/C....P 3213....
CER NO :..188/17-18 Dt:27.09.17

TA CE (YNK)